

THE UNIVERSITY OF ALBERTA STAFF BULLETIN

EDMONTON 7, ALBERTA

SEPTEMBER 10, 1970

Come autumn and registration week, the students collect again like crows on a fence. This week 19,500 students are trying to find their

respective ways around the campus. In the years to come there will be a few thousand more—24,000, according to Academic Plan 9.

Toward 24,000: Academic Plan 9

The "First Report of the Academic Development Committee on Academic Plan 9" has been prepared. It outlines the distribution of students among faculties and schools for a University of 24,000. The complete report, with its five tables, is presented in this issue of FOLIO. It will be considered at a special meeting of General Faculty Council on Wednesday, October 28, 1970, at 2 p.m., in the Council Chamber, University Hall, where it will be the only item on the agenda.

General Faculties Council, on recommendation of the University Planning Committee (UPC), directed faculties and schools to submit projections on the number of students that each faculty or school should provide for in a total university registration of 24,000 full-time students. After these projections had been assembled by the Office of Institutional Research, they were referred by UPC to the Academic Development Committee (ADC) for detailed study and recommendation. The total of the submitted projections was 26,807, so that the reductions required totalled 2,807.

The ADC has given top priority to Academic Plan 9 since first receiving the projections. It has been assisted by Institutional Research in securing additional data. It has

also interviewed representatives of most faculties and schools to discuss the projections with them in view of the reductions that had to be made.

The basic guidelines used by the Committee in revising the projections from the faculties and schools and in preparing this report included: the principles accepted by General Faculties Council as part of the submission to the Worth Commission; the pertinent guidelines set out in the White Paper "Post Secondary Education Until 1972"; and the announcement of the establishing of Athabasca University. These basic guidelines may be briefly stated as follows:

(a) The University of Alberta must develop along lines that will insure a reasonable balance between the humanities, social

TABLE I
DISTRIBUTION OF STUDENTS BY
FACULTY AND SCHOOL

Recommendations of the Academic Planning Committee for Academic Plan 9

Faculty or School	Number of Students	Per Cent of total
Agriculture	850	3.5
Arts	5,000	20.8
Business Administration and Commerce	1,500	6.2
Dental Hygiene	150	0.6
Dentistry	390	1.6
Education	4,800	20.0
Engineering	2,400	10.0
Household Economics	500	2.1
Law	500	2.1
Library Science	150	0.6
Medicine	1,400	5.8
Nursing	500	2.1
Pharmacy and Pharmaceutical Sciences	600	2.5
Physical Education	750	3.1
Rehabilitation Medicine	310	1.3
Science	4,200	17.5
Total	24,000	99.8

* Includes Postgraduate Trainees, not included in Academic Plan 8

TABLE II

TOTAL ENROLMENT BY FACULTIES AND SCHOOLS –
NUMBERS OF STUDENTS

Faculty or School	1960-61	1961-62	1962-63	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70
Agriculture	155	181	196	279	356	386	403	463	503	500
Arts	777	966	1,205	1,319	1,531	1,852	2,239	2,649	3,200	3,655
Business Administration and Commerce	257	304	391	516	625	631	749	795	977	1,150
Dental Hygiene	–	–	–	36	32	37	41	43	46	46
Dentistry	136	179	209	194	193	194	195	186	205	197
Education	1,603	1,938	2,138	2,330	2,607	2,876	3,130	3,423	4,087	4,418
Engineering	1,071	950	893	849	922	981	1,152	1,283	1,348	1,545
Household Economics	89	87	108	99	103	152	221	299	312	333
Law	120	129	126	123	136	172	190	225	246	310
Library Science	–	–	–	–	–	–	–	–	42	40
Medicine	300	334	314	360	412	432	469	508	565	773
Nursing	510	484	105	135	156	172	164	220	312	346
Pharmacy and Pharmaceutical Sciences	210	198	213	215	235	227	234	254	254	302
Physical Education	106	120	150	201	224	312	348	414	477	558
Rehabilitation Medicine	54	39	60	70	89	91	90	126	141	173
Science	972	1,074	1,248	1,365	1,574	1,718	1,839	2,093	2,567	3,008
Total	6,360	6,983	7,356	8,091	9,195	10,233	11,464	12,981	15,282	17,354

sciences, and natural sciences on the one hand, and the professional faculties on the other. "The University of Alberta will not willingly accept a gradual trend towards becoming a university of professional faculties." (*Brief to Worth Commission*.)

(b) "The University of Alberta also wishes to retain a reasonable balance of freshman, sophomore, and senior students in the undergraduate programs." (*Brief*.)

(c) With the 25,000 figure for maximum

enrolment at The University of Alberta, "a balance can be struck between graduate and undergraduate education and between the general and professional faculties. The government is confident that the University under the broad guidelines set by the Universities Commission will develop programs in the best interests of the province." (*White Paper*.)

(d) Athabasca University will offer predominantly undergraduate programs in

Arts, Education, and Science.

In addition, ADC accepts the principle that certain professional faculties are unlikely to be duplicated at any other provincial university in the foreseeable future.

Academic Plan 9 must provide (as did Academic Plan 8) for the total provincial needs for such faculties. It is considered that this principle applies to Agriculture, Dentistry, Dental Hygiene, Household Economics, Library Science, Pharmacy and

TABLE III

TOTAL ENROLMENT BY FACULTIES AND SCHOOLS –
PER CENT OF UNIVERSITY ENROLMENT

Faculty or School	1960-61	1961-62	1962-63	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70
Agriculture	2.4	2.6	2.7	3.5	3.9	3.8	3.5	3.6	3.3	2.9
Arts	12.2	13.8	16.4	16.3	16.7	18.1	19.5	20.4	20.9	21.1
Business Administration and Commerce	4.0	4.4	5.3	6.4	6.8	6.2	6.5	6.1	6.4	6.6
Dental Hygiene	–	–	–	0.4	0.4	0.4	0.4	0.3	0.3	0.3
Dentistry	2.1	2.6	2.8	2.4	2.1	1.9	1.7	1.4	1.3	1.1
Education	25.2	27.8	29.1	28.8	28.4	28.1	27.3	26.4	26.7	25.5
Engineering	16.8	13.6	12.1	10.5	10.0	9.6	10.1	9.9	8.8	9.0
Household Economics	1.4	1.2	1.5	1.2	1.1	1.5	1.9	2.3	2.0	1.9
Law	1.9	1.8	1.7	1.5	1.5	1.7	1.7	1.7	1.6	1.8
Library Science	–	–	–	–	–	–	–	–	0.3	0.2
Medicine	4.7	4.8	4.3	4.5	4.5	4.2	4.1	3.9	3.7	4.5
Nursing	8.0	6.9	1.4	1.7	1.7	1.7	1.4	1.7	2.0	2.0
Pharmacy and Pharmaceutical Sciences	3.3	2.8	2.9	2.7	2.6	2.2	2.0	2.0	1.7	1.7
Physical Education	1.7	1.7	2.0	2.5	2.4	3.1	3.0	3.2	3.1	3.2
Rehabilitation Medicine	0.9	0.6	0.8	0.9	1.0	0.9	0.8	1.0	0.9	1.0
Science	15.3	15.4	17.0	16.9	17.1	16.8	16.0	16.1	16.8	17.3
Total	99.9	100.0	100.0	100.2	100.2	100.2	99.9	100.0	99.8	100.1

TABLE IV

COMPARISON OF RECOMMENDATIONS
FROM THE ACADEMIC DEVELOPMENT COMMITTEE FOR ACADEMIC PLAN 9
WITH OTHER DISTRIBUTIONS

Faculty or School	Number of students				Per cent of total			
	Enrolment 1969-70	Academic Plan 8	Faculty projection	ADC recommendation	Enrolment 1969-70	Academic Plan 8	Faculty projection ¹	ADC recommendation
Agriculture	500	750	1,050	850	2.9	4.0	4.4	3.5
Arts	3,655	4,100	6,200	5,000	21.1	21.6	25.8	20.8
Business Administration and Commerce	1,150	1,400	1,500	1,500	6.6	7.4	6.2	6.2
Dental Hygiene	46	NA ²	230	150	0.3	NA ²	1.0	0.6
Dentistry	197	450 ²	390	390	1.1	2.4 ²	1.6	1.6
Education	4,418	3,900	4,800	4,800	25.5	20.5	20.0	20.0
Engineering	1,545	1,750	2,803	2,400	8.9	9.2	11.7	10.0
Household Economics	333	350	667	500	1.9	1.8	2.8	2.1
Law	310	370	735	500	1.8	2.0	3.1	2.1
Library Science	40	—	200	150	0.2	—	0.8	0.6
Medicine	773	950	1,445 ³	1,400 ³	4.5	5.0	6.1	5.8 ³
Nursing	346	250	610	500	2.0	1.3	2.5	2.1
Pharmacy and Pharmaceutical Sciences	302	700	700	600	1.7	3.7	2.9	2.5
Physical Education	558	420	865	750	3.2	2.2	3.6	3.1
Rehabilitation Medicine	173	350	312	310	1.0	1.8	1.3	1.3
Science	3,008	3,250	4,300	4,200	17.3	17.1	17.9	17.5
Total	17,354	18,990	26,807	24,000	100	100	111.7	99.8

1. Faculty projections as a per cent of 24,000 (not 26,807).
2. Figures for Dental Hygiene were combined with Dentistry in Academic Plan 8.
3. Includes postgraduate trainees, not included in Academic Plan 8.

TABLE V

GRADUATE STUDENTS BY FACULTY AND SCHOOL

Faculty or School	Number of graduate students			Per cent of total graduate students			Per cent of total students in faculty		
	Enrolment 1969-70	Academic Plan 8	Faculty projection	Enrolment 1969-70	Academic Plan 8	Faculty projection	Enrolment 1969-70	Academic Plan 8	Faculty projection
Agriculture	124	190	250	5.9	5.6	6.0	24.8	25.3	23.8
Arts	550	900	900	26.3	26.4	21.7	15.0	22.0	14.5
Business Administration and Commerce	61	120	300	2.9	3.5	7.2	5.3	8.6	20.0
Dental Hygiene	0	NA*	20	0	NA*	0.5	0	NA*	8.7
Dentistry	4	30*	50	0.2	0.9*	1.2	2.0	6.7*	12.8
Education	344	500	700	16.5	14.7	16.9	7.8	12.8	14.6
Engineering	214	420	451	10.2	12.3	10.9	13.9	24.0	16.1
Household Economics	3	15	70	0.1	0.4	2.5	0.9	4.3	10.5
Law	3	40	33	0.1	1.2	0.8	1.0	10.8	4.8
Library Science	0	—	35	0	—	0.8	0	—	17.5
Medicine	105	230	300	5.0	6.8	7.2	13.6	24.2	20.8
Nursing	0	5	10	0	0.1	0.2	0	2.0	1.6
Pharmacy and Pharmaceutical Sciences	27	100	100	1.3	2.9	2.4	8.9	14.3	14.3
Physical Education	64	40	90	3.1	1.2	2.1	11.5	9.8	10.4
Rehabilitation Medicine	0	6	12	0	0.2	0.3	0	1.7	3.8
Science	589	810	800	28.4	23.8	19.3	19.6	24.9	18.6
Total	2,088	3,406	4,121	100	100	100	12.3	17.9	17.2

* Figures for Dental Hygiene were combined with Dentistry in Academic Plan 8.

Pharmaceutical Sciences, and Rehabilitation Medicine.

Table I is the core of this report. It gives the distribution of 24,000 students among the faculties and schools as proposed by ADC. Tables II and III of this report list the total enrolments by faculty and school for each of the past ten years both in actual numbers and in percentages of total university enrolment. Table IV shows distributions for 1969-70, for Academic Plan 8, as projected by the faculties and schools, and as recommended by ADC.

Of necessity, the projected enrolments submitted by most faculties and schools were reduced by ADC. It was agreed, however, that those submitted by Business Administration, Dentistry, Education, and Rehabilitation Medicine should not be reduced. Only a token reduction was made in Medicine's figures since these include provision for an increasing number of postgraduate trainees who are now full-time university students and for whom grants are received.

It had been anticipated that no reductions would be made below the provisions of Academic Plan 8 but two such reductions have been included. Rehabilitation Medicine submitted a lower figure which was accepted and the Pharmacy total was reduced by 100 partly because the projected figure would more than double present enrolment and partly because the proportion of graduate students appeared high.

With the prospect of alternate facilities for Arts, Education, and Science at Athabasca University, ADC examined the feasibility of large reductions in the projections for these three faculties. Consideration of the estimates of numbers of students in these faculties on a free-growth basis, and of the White Paper statements on the new university made it appear realistic to recommend a large reduction only in the Faculty of Arts projections. ADC believes that the proposed maxima for these three faculties at this University will provide a reasonable distribution of students in the corresponding faculties of Athabasca University.

Table V shows the distribution of graduate students by faculty and school. ADC is not yet prepared to make recommendations concerning the division of total faculty enrolments into undergraduate and graduate students. There are several reasons for this.

First, ADC believes that departments and faculties should review this question in relation to the reductions that have been proposed. Second, the fact that several major faculties projected a smaller proportion of graduate students for Academic Plan 9 than for Plan 8, suggests that each department should consider this matter seriously. Third, there is reason

to believe that graduate work at Athabasca University is unlikely to be developed in the near future and the White Paper states that such graduate work will stress the humanities and social sciences. This may well mean some changes in emphasis at this University. Obviously, a division between graduates and undergraduates must be determined for each faculty and school, but it is not likely that these proportions will remain static after the maximum enrolment is reached. It is therefore recommended that detailed figures on the division be delayed until faculties and schools review the distribution of graduate and undergraduate students and make further recommendations to ADC on the basis of the student enrolment figures accepted by General Faculties Council. Determination of weekly student hours for faculties must await decisions on this distribution.

It is the opinion of ADC that, if General Faculties Council decides that some of the totals suggested by ADC should be increased, some increases can be safely made without any corresponding reductions in other totals. It seems unlikely that new faculties or schools will require that a reserve of 1,000 be unallocated to permit such developments.

The Co-Chairmen of the Academic Development Committee are HENRY KREISEL, Vice-President (Academic), and A. G. MC CALLA, Dean of Graduate Studies.

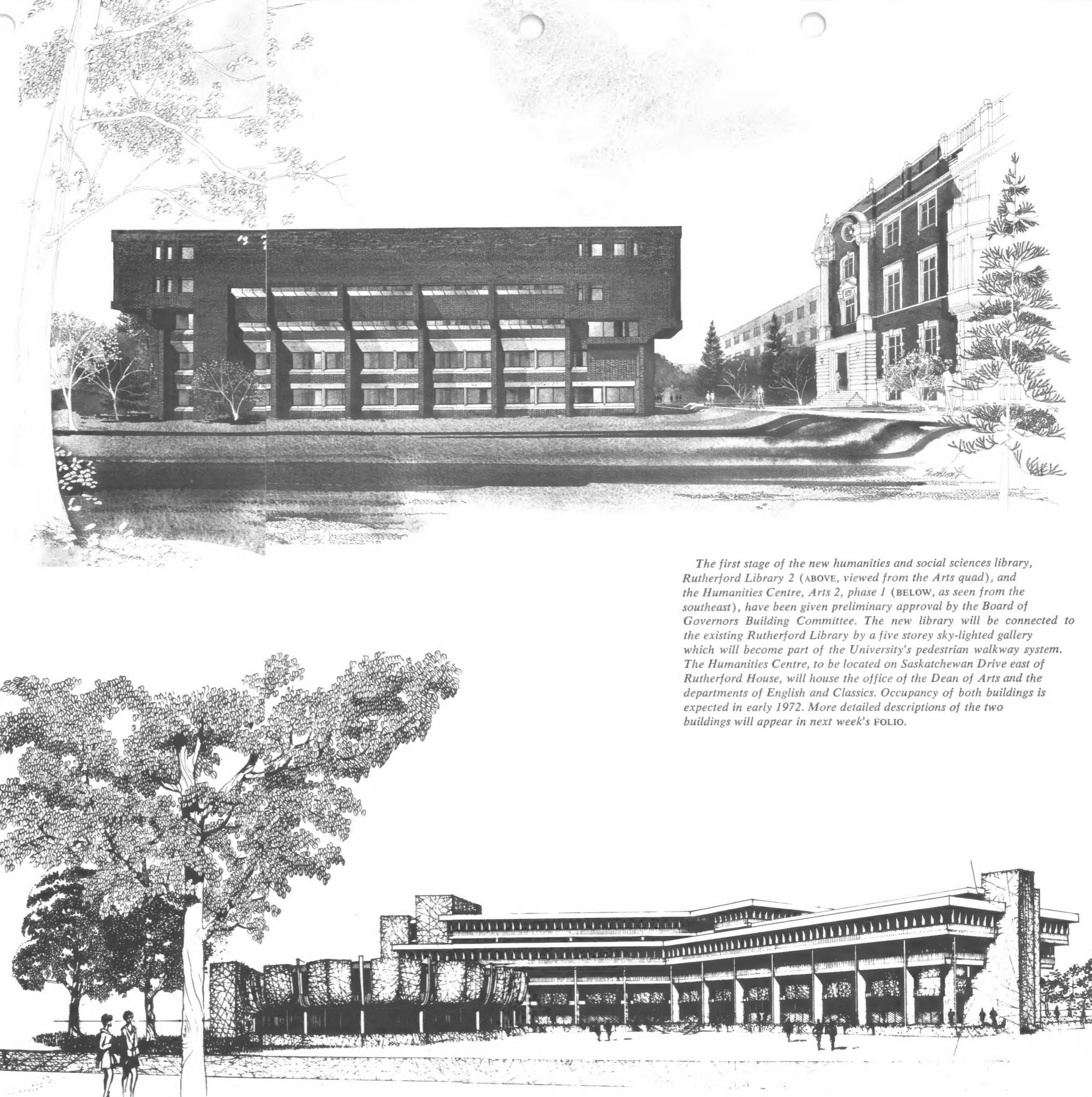
Other Committee members are: W. A. BLANCHARD, Acting Chairman of Psychology; D. F. CAMERON, Associate Dean of Medicine; H. E. GUNNING, Killam Memorial Professor and Chairman of Chemistry; M. L. HOWELL, Professor of Physical Education; and R. WATSON, representing the Graduate Students' Association.

The following people have also been involved, at various stages, in the preparation of this report: G. E. BALL, Professor of Entomology; R. G. BALDWIN, Chairman of English; and R. S. FRASER, Chairman of Medicine.

CAMPUS MAPS

New campus maps have been prepared by the University Publications Office. The map is available from the Public Relations Office, 432-4201, in three versions:

- The regular Campus Map and Building Directory lists all University departments and their location;
- Map Supplement One is a motorist's guide and shows the streets that should be open this month;
- Map Supplement Two is a pedestrian map, and shows current walking routes through the construction and chaos.



The first stage of the new humanities and social sciences library, Rutherford Library 2 (ABOVE, viewed from the Arts quad), and the Humanities Centre, Arts 2, phase 1 (BELOW, as seen from the southeast), have been given preliminary approval by the Board of Governors Building Committee. The new library will be connected to the existing Rutherford Library by a five storey sky-lighted gallery which will become part of the University's pedestrian walkway system. The Humanities Centre, to be located on Saskatchewan Drive east of Rutherford House, will house the office of the Dean of Arts and the departments of English and Classics. Occupancy of both buildings is expected in early 1972. More detailed descriptions of the two buildings will appear in next week's FOLIO.

CONSTRUCTION REPORT

The monthly progress report of the Campus Development Office underlines the miseries of a wet summer in delaying University construction projects.

Car Park II, begun in June to be completed six months later in December, is already one month behind schedule. Progress has been very seriously hampered by rain, and the project has been shut down for a week at a time because the pile driver has been unable to move through the mud. Excavation for the car park is 95 per cent complete and piling 80 per cent complete.

Weather conditions also have delayed paving and grounds work, which at present is two weeks behind schedule. The contractor is concentrating his forces in the area of the Biological Sciences Building.

The Basic Medical Sciences Building is running three weeks behind schedule, though the contractor is hopeful he can make up some of the lost time. Completion schedule for the building is a year from now. Overall progress on the project is good. Concrete pouring of walls from the main to second floors is 90 per cent complete, from second to third 60 per cent complete, from third to fourth 10 per cent complete.

Concrete pouring for the Law Centre is still lagging but is 70 per cent complete. The architectural concrete is showing some improvement with new forms and pour breaks. The project is 32 per cent complete and scheduled to be finished next May.

The Central Academic Building is about 80 per cent complete, and the fifth and sixth floors already are occupied by the Department of Mathematics. The walkover to the Cameron Library is in place and work is proceeding on the walkover to the Engineering Building. Present completion schedule for the building is September 30.

The off campus Agriculture and Science facilities at Ellerslie are progressing favorably. Roofing and blockwork are complete and the inside finishes being applied. The Storage Building is 95 per cent complete; the Aviary, 90 per cent; the Rodent Breeding Building, 70 per cent; the Extension of the Health Sciences wing of Laboratory Animal Services, 55 per cent; the Science wing, 80 per cent; the Genetics Field Laboratory, 70 per cent; the Greenhouses, 50 per cent; and the Sow Nutrition Building, 60 per cent.

At least some of the utilities construction may be expected to be finished soon. The Deep Tunnel Sewer, Phase II adjacent to 112 Street in front of the University Hospital and Phase III along 116 Street near the Engineering Centre, were described as 96 per cent complete on August 15. Surface restoration remains for both phases.

Phase Va of the Utilities Sewer System, on

89 Avenue between the Medical Sciences Building and 112 Street and off 114 Street south of the Nurses' Residence, is complete and accepted.

The concrete tunnel for phase IIa of the Utilities Services Tunnel is complete and the total project is 85 per cent complete. Phase IIa runs from the South Power Plant north of the Nurses' Residence and turns north along 114 Street to the Basic Medical Sciences site. Phase IIb of the tunnel on central campus in the area of the Engineering Building, the Central Academic Building, and the Rutherford Library, is 45 per cent complete and scheduled to be finished next spring. Phase IIc of the tunnel, in progress along 114 Street between the Basic Medical Sciences site and the Administration Building and along 112 Street between 87 and 89 Avenues, is 23 per cent complete and scheduled for completion in late spring next year. The project is four weeks behind schedule now and progress is slow.

TRIUMF ANNUAL MEETING

The annual meeting of TRIUMF was held at the Banff School of Fine Arts Sunday, August 29. TRIUMF, Tri-Universities Meson Facility for nuclear research, is a joint venture among the Universities of Alberta, British Columbia, Simon Fraser, and Victoria.

The meeting in Banff follows a summer school in intermediate energy physics which had been organized by G. C. NEILSON, Professor of Physics and W. C. OLSEN, Associate Professor of Physics, of The University of Alberta Nuclear Research Centre.

At the meeting reports were given on the construction of the complex TRIUMF facility at the University of British Columbia. Excavation for the machine vault is completed and construction of the substructure for the whole accelerator facility has begun. A \$1,940,000 contract for an accelerator magnet weighing 4,200 tons has been awarded to the Davie Shipbuilding Ltd. of Lauzon, Quebec.

A full-sized operating model of the central region of the accelerator is being constructed in TRIUMF laboratories and will be in operation next year. The accelerator itself is planned to go into operation in 1973. It will provide facilities for a wide range of research in nuclear and particle physics, solid state physics, radiation chemistry, isotope production, activation analysis, organic crystal structure and radiobiology and radiotherapy.

The TRIUMF accelerator will be the first of the third generation cyclotrons to begin operation. A somewhat different type of cyclotron is being built near Zurich, Switzerland, and a linear accelerator is under way at Los Alamos, New Mexico, for work in intermediate energy physics.

The three British Columbia universities are providing 4.4 million dollars to construct the buildings while The University of Alberta is contributing \$250,000 per year for five years to the project. The federal government will provide 23.3 million dollars to build the accelerator and 4 million dollars a year in operating funds once it is built.

PEOPLE

■ Two members of the Department of Chemical and Petroleum Engineering presented papers at the National Conference on Automatic Control which was held at the University of Waterloo from August 26 to 28. D. G. FISHER's paper was entitled "Computer Control Using Optimal State Driving Techniques," and R. K. WOOD presented a paper entitled "On Line Pulse Testing with a Digital Computer."

■ WILLIAM KNILL, Professor of Educational Administration, represented his department and presented a paper, "Financing Education: An International Perspective," at the International Intervisitation held in Australia from July 31 to August 23. The event was sponsored by the University of New England, New South Wales, in association with The University Council for Educational Administration, Columbus, Ohio.

■ J. B. REDFORD, Director of the School of Rehabilitation Medicine, attended the Annual Meeting of the Canadian Association of University Schools of Rehabilitation in Saskatoon on August 12, where he was elected President. He also attended the Annual Meeting of the American Association of Electromyography and Electrodagnosis in New York City on August 15 and 16 as President of that organization.

■ In July, J. A. JACOBS, Killam Memorial Professor of Science and Director of the Institute of Earth and Planetary Physics, lectured at the Enrico Fermi International School of Physics at Varenna, Italy in a summer course on Mantle and Core in Planetary Physics. He gave two series of lectures: one on the "Physical properties of the planets," and the second on their "Electrical and thermal properties."

VISITORS

ARTHUR R. JENSEN, Professor in Educational Psychology at the University of California at Berkeley, will present a lecture entitled "Educability and Subpopulation Differences" on Monday, September 21, at 4 p.m. in Room 129 of the Education Building.

Dr. Jensen was recently publicized by the news media for his review of evidence relating to a genetic basis for intelligence. The review,

published in the Harvard Educational Review last year and subsequently published as a paperback book with comments and rebuttals of fellow psychologists and geneticists, is increasingly being regarded as a bench mark in the progress of educational psychology.

BOOKS

Explanations by Gwynn Nettler, Professor of Sociology, has been published by McGraw-Hill Book Company. This work describes the kinds of stories people tell when they attempt to comprehend human behavior.

NOTICES

UNIVERSITY EMPLOYEES' CREDIT UNION

The University of Alberta Employees' Savings and Credit Union Limited has operated on campus since 1949 to facilitate saving and borrowing money. Membership is limited to permanent University employees and their immediate families.

The Credit Union Office is located in Room 10 of the Chemistry building; details regarding Credit Union membership are available from RON COX at 432-3511, THERESA ROGIER at 432-4153, or the Non-Academic Staff Association at 432-4719.

FACULTY BADMINTON CLUB

Commencing September 16, the Faculty Badminton Club will meet on Wednesday evenings between 7:30 and 10 p.m. in the main gymnasium of the Physical Education Centre. The annual fee, including the cost of birds, is \$6. For further information call A. BLADES at 433-6421 or B. V. PARANJAPE at 432-3579.

FELLOWSHIPS FOR RESEARCH IN INDIA

The Shastri Indo-Canadian Institute was established jointly by the governments of

Canada and India in 1968 to support and promote the development of Indian studies in Canadian institutions of higher learning.

The Institute offers fellowships for research in India in the humanities and social sciences to regular members of the teaching staff of recognized Canadian universities and to PhD students. Senior fellowships, for established scholars normally resident in Canada, are worth up to \$7,000 (rupee equivalent). Junior fellowships for qualified graduate students to conduct research in India as a partial fulfillment of the requirements of a doctoral degree in a Canadian university, may receive up to \$4,500 (rupee equivalent). Adjustments may be made according to individual need (dependents, for example).

Application forms and further information available at the Student Awards Office.

THEATRE WORKSHOP AT CITADEL

The Citadel Theatre is introducing a new workshop into its 1970-71 season. Called "Studio 6," and under the direction of JIM BECK, Citadel Theatre's stage manager, the workshop will provide an advanced and intensive course in theatre for senior students and adults who wish to become actors and technicians.

Instruction covering all phases of theatre activity will be given on Saturday mornings. Students will be able to obtain practical technical experience through participation in Citadel productions, and also meet theatrical personalities visiting Edmonton throughout the season.

Enrolment will be limited and admission to the program is by interview only. Interviews will be conducted on Saturday, September 12 from 10 a.m. to 4 p.m. Interested persons should make an appointment by phoning 422-4533.

POSITIONS VACANT

Applicants are sought for the following positions. The Personnel Office (Room 121, Administration Building) will provide further details to interested persons, who are asked not to approach the departments directly.

Purchasing Clerk (P T) (Open)—Chemistry
Clerk Typist I (\$261-\$302)—Law; Bookstore

Clerk Typist II (\$302-\$368)—Comptroller's Office; Registrar's Office; Physical Education; School of Nursing; Provincial Laboratory.

Clerk Typist II (MT/ST Operator) (\$302-\$368)—Sociology

Clerk Steno I (\$274-\$333)—Educational Foundations

Clerk Steno II (\$317-\$386)—Food Science; Mathematics; Business Administration and Commerce; Chemical and Petroleum Engineering

Clerk Steno III (\$368-\$447)—Medicine
Accounts Clerk I (\$333-\$405)—Comptroller's Office (Fees and Special Funds); Comptroller's Office (Machine Operator)

Secretary I (\$425-\$517)—Mining and Metallurgy

Specialist Technician (Laser) (Open)

Bacteriology Technologist I (\$470-\$571)—Medical Bacteriology

Pathology Technologist I (\$4770-\$571)—Pathology

Pathology Technologist II (\$543-\$660)—Provincial Laboratory
Laboratory Assistant (\$274-\$333)—Pharmacology
Construction Supervisor (\$843-\$1,024)—Campus Development

PERSONAL NOTICES

Notices must reach the Editor by 9 a.m. the Friday prior to publication. They must be typed, and not exceed 35 words including heading.

FOR SALE—Sofa, chair, coffee table, 3-piece dinette suite. 432-3844 (days).

FOR RENT—Large and comfortable basement in Belgravia area close to University. Garage, bathroom. Call before end of September, 439-3672 (evenings).

WANTED—Secretary to work part-time (10-15 hours per week) for the University Chaplains (Anglican, United, Lutheran). Pay to be determined in consultation with Chaplains. 432-4620, 433-8504, or write to Rev. John Simons, Room 158D, Students' Union Building.

FOR SALE—1966 Volvo 1225 station wagon. Good condition. Must sell, leaving country. John Moss, 432-3504 or 439-1892 (evenings).

PIANO—Theory, history and ear training instruction. University district. Mrs. Ellen Stirling, 105—10621—79 Avenue, 432-7895.

WANTED—To form carpool to share driving from Northgate area to University and back. 432-4004 or 476-6413. Ask for Jeff Williams.

FOR SALE—Saint Bernard pups, champion pedigree stock. Ready approximately September 20. 432-3408, or 484-8916 after 5:30 p.m.

FOR RENT—Furnished house in choice location near Groat Road. Available about November 24, 1970 to October 31, 1971. 3 bedrooms, living and dining rooms, den, heated double garage. Couple without children preferred. 488-1758.

FOR SALE—1968 Volkswagen Deluxe. Excellent condition. 433-5643 evenings or weekends.

FOR SALE—Home facing park on quiet crescent within walking distance of University. 3 bedrooms, den, 2 bathrooms, large rumpus room, double garage. Beautiful grounds, rock garden, lighted patio. Call Brian Hinds, 433-6486 or 488-3630.

FOR SALE—Two Dynaco speakers, perfect condition. \$150 for the pair. Also Goodman transistorized stereo amplifier with teak enclosure, extremely compact, \$50. 432-4710 or 434-6188.

FOR SALE—1966 Mustang, red. One owner. 2-dr., 6-cyl., automatic, H/t., radio, condition excellent. \$1,600 or nearest offer. 439-4882 6:30 to 8:30 p.m.

FOR SALE—1969 Meteor Rideau 500 2-dr., H/t. Fully equipped, premium condition, 27,000 miles. \$3,000 or nearest offer. 432-4585.

FOR SALE—1969 Ford LTD Brougham, 4-dr H/t, vinyl roof, power steering, power brakes, electric windows, many other extras. 20,000 miles. 432-4058.

FOR SALE—Unusually designed executive 4-bedroom bungalow, 3 blocks from Southgate. 4 years old. Large 6 1/4 per cent mortgage. 429-5048 after 5:30 p.m.

WANTED—By female University employee, unfurnished 2-room suite within walking distance of campus. Willing to share bathroom facilities. Will not pay more than \$50 or \$55 monthly. Abstainer. Ask for Mary at 422-4382.

WANTED—Ice cream freezer, either hand turn or with electric motor. 439-0487.

FOR SALE—Exclusive country home. 1 1/2 acres, southern exposure, unique river setting. Fully

FOLIO

THE UNIVERSITY OF ALBERTA, EDMONTON 7, ALBERTA

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landscaped fieldstone terraced gardens. Two open fireplaces. 2,900 ft. 12 minutes from University. 489-6846.

WANTED—Girl to share large 2-bedroom apartment near campus, October 1. Pool, sauna, utilities, private half-bath. Must have own bedroom furniture. \$109 plus half phone. Call Darlene days 432-4251, ext. 47, evenings 432-7903.

FOR RENT—1-bedroom basement suite at 11139 - 63 Avenue. Furnished, shower, fridge, hotplate, winter parking possible. Family preferred, abstainers. \$80 per month. 435-4943.

TYPIST—Would like to do work at home. Experienced, good English. Manuscripts etc. Box 856, Leduc. 446-3189.

FOR SALE—One-way plane ticket, Edmonton-London. Flight day September 23. \$100. 433-4704 after 5 p.m.

SHARED ACCOMMODATION—Single room in house at \$55 per month. Full modern facilities, TV, large yard, and garage. Student managed. See Carl Sullivan, Room 68, Agriculture Building. 432-3265.

FOR SALE—1962 Volkswagen 1500 sedan. Reasonably good condition. \$250. Call Paul 432-3428 or 433-2017 (evening).

FOR RENT—Furnished 2-bedroom suite, west of University, with view over the river, for 2 adults. Can be unfurnished. 454-4592 days, 433-3823 evenings.

FOR SALE—In Belgravia, 3-bedroom bungalow with finished basement; \$36,000 (approximately \$16,000 on mortgage at 7 per cent). 433-6753.

FOR SALE—Volvo 1964, model B18, 4-door, radio, cream. Also 16mm Pathé movie camera and Pan Cinor zoom lens 3 to 1. 432-5327 or 432-8087.

AVAILABLE FOR PHOTOGRAPHY—Nude model. Call Tammy, 433-2024.

FOR SALE—1969 Firebird, overhead cam. Like new. \$2,950. Owner transferred. 439-8595.

THIS WEEK AND NEXT

11 SEPTEMBER

Student theatre

Also 12, 18, and 19 September, 8:15 p.m. Students' Union Theatre. Jubilaires' production of *Carnival*, a circus musical. Tickets \$2 and \$2.50.

12 SEPTEMBER, SATURDAY

Bears football

2 p.m., Varsity Stadium, versus the University of British Columbia.

13 SEPTEMBER, SUNDAY

University Parish

7 p.m. SUB Meditation Room. Contemporary worship with the University Parish (Anglican and United Church). Communion will be celebrated. Chaplains: Barry Moore and John Simons.

Student cinema

7:30 p.m. Students' Union Theatre. *In Cold Blood*, with ROBERT BLAKE and SCOTT WILSON.

15 SEPTEMBER, TUESDAY

University Parish

12 p.m. SUB Meditation Room. University Parish will hold informal celebration of Eucharist with Communion. Followed by cheap, but sumptuous lunch.

16 SEPTEMBER, WEDNESDAY

Lecture on livestock production

Also 17 and 18 September, 4 p.m., Room 141 Genetics Wing of the Biological Sciences Centre. J. W. B. KING, Geneticist, Animal Breeding Research Organization and Agricultural Research Council, Edinburgh, will give a series of three lectures on livestock production, research, and direction in Great Britain. Dr. King is a visiting Nuffield Lecturer co-sponsored by the National Research Council and The University of Alberta.

19 SEPTEMBER, SATURDAY

Bears football

2 p.m. Varsity Stadium, versus Royal Military College.

20 SEPTEMBER, SUNDAY

Student cinema

7:30 p.m. Students' Union Theatre. *Guess Who's Coming to Dinner*, with SPENCER TRACY and KATHERINE HEPBURN.

21 SEPTEMBER, MONDAY

Educational Psychology lecture

4 p.m. Room 129 Education Building. ARTHUR R. JENSEN, Professor in Educational Psychology at the University of California at Berkeley, will lecture on "Educability and Subpopulation Differences."

25 SEPTEMBER, FRIDAY

Student cinema

7:30 p.m. Students' Union Theatre. *Dr. Zhivago*, with JULIE CHRISTIE and OMAR SHARIF

EXHIBITIONS

SUB Art Gallery

Until 17 September. "Stoned Gloves," a series of photograph poems by ROY KIYOOKA, Canadian painter, poet, photographer. Until 25 September. "David Samila; Paintings." This Canadian painter, now at the University of Manitoba, has work in many important collections including the National Gallery, Vancouver Art Gallery, and the Canada Council Collection.

Edmonton Art Gallery

Until 15 September. "Edvard Munch: Graphics."

Until 20 September. "Rediscovered Printmakers of the 19th Century."

Until 30 September. "Extensions: Photographs."

Tropical Display-house In bloom are the bromeliads, the bloodflower (*Haemanthus*), junglegeranium (*Ixora*), Gingerlily (*Hedictium*), flamingo flower (*Anthurium*), lipstick plant (*Aeschynanthus*), and chenille plant (*Acalypha*). Fruit is forming on the citrus tree, the pomegranate, the split leaf philodendron and on the banana tree.

Listings must reach the Editor by 9 a.m. the Friday prior to publication. Written notification is preferred. Compiled by NORMA GUTTERIDGE, 432-4991.